

Title (en)	POWER GENERATION FUNCTION-EQUIPPED SECONDARY BATTERY
Title (de)	MIT STROMERZEUGUNGSFUNKTION AUSGESTATTETE SEKUNDÄRBATTERIE
Title (fr)	BATTERIE SECONDAIRE ÉQUIPÉE D'UNE FONCTION DE GÉNÉRATION D'ÉNERGIE
Publication	EP 4401299 A1 20240717 (EN)
Application	EP 22867430 A 20220909
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Abstract (en)	<p>ObjectProvided is a power generation function-equipped secondary battery that can achieve stable power generation.SolutionA power generation function-equipped secondary battery 100 using a thermoelectric element 1 includes the thermoelectric element 1 that is in contact with a heat medium 3 indicating a temperature equal to or higher than a temperature of outside air and does not require a temperature difference between electrodes, and a secondary battery 2 electrically connected to the thermoelectric element 1, in which the thermoelectric element 1 includes a pair of electrodes 11 and 12 having work functions different from each other. For example, the thermoelectric element 1 includes an intermediate portion provided between the pair of electrodes 11 and 12 and including a non-conductor layer containing fine particles, and the non-conductor layer supports the pair of electrodes 11 and 12.</p>
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